

**Notice of Allowability**

Application No.

09/536,191

Examiner

PHUC H. TRAN

Applicant(s)

DONAGHEY, ROBERT J.

Art Unit

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 11/13/07.
2. ☒ The allowed claim(s) is/are 1-14, 17, 15, 18-21, 23-27, 29-31, 36-40, 44-46 now renumbered as 1-36 respectively.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All   b) ☐ Some\*   c) ☐ None   of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date 2/1/08.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

## DETAILED ACTION

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Edward A. Gordon (Reg. No. 54130) on 2/1/08.

The application has been amended as follows:

Claim 36 (Currently Amended) A method for transferring data in a network connecting a hub device to set of peripheral devices, the network operating according to a communications protocol having a plurality of alternating token slots and data transfer slots, the method, performed by the hub device, comprising:

identifying an address and a logical unidirectional communication stream for a ~~current~~ data transfer, the address identifying one of the peripheral devices;

generating a token based on the identified address and the logical unidirectional communication stream; broadcasting the token on the network during one of the token slots;

communicating the data between the identified peripheral device and the hub devices on the identified logical unidirectional communicational stream during one of the data transfer slots.

Claim 37 (Currently Amended) a hub device that communicates data in a network connecting the hub device to a plurality of peripheral devices, the network operating according to

a communications protocol having a plurality of alternating token slots and data transfer slot, the hub device comprising:

a memory having instructions capable of being executed by a computer for:

identifying an address and a logical unidirectional communication stream for a current data transfer, the address identifying one of the peripheral devices;

generating a token based on the identified address and the logical unidirectional communication stream; broadcasting the token on the network during one of the token slots; and

communicating the data between the identified peripheral device and the hub devices on the identified logical unidirectional communicational stream during one of the data transfer slots  
; and a processor that executes the instructions in the memory.

Claim 38. (currently amended) A method for transferring data in a network connecting at least one peripheral device to a hub device, the method, performed by one of the peripheral devices, comprising:

receiving a token from the hub device that identifies the peripheral device and one of a plurality of logical unidirectional communication streams;

analyzing the token to determine a size and direction of a ~~current~~ data transfer;

and transferring data to or receiving data from the hub device over the identified logical unidirectional communication stream according to the determined size and direction of the ~~current~~ data transfer.

Claim 40. (currently amended) A peripheral device that communicates data in a network connecting at least one peripheral device to a hub device, the peripheral device comprising:

a memory that stores instructions; and

a processor that executes the instructions in the memory to: receive a token from the hub device, [[that]] wherein the token identifies the peripheral device and one of a plurality of logical unidirectional communication streams,

analyze the token to determine a size and direction of a ~~current~~ data transfer, and

transfer data to or receive data from the hub device over the identified logical unidirectional communication stream according to the determined size and direction of the ~~current~~ data transfer.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PHUC H. TRAN whose telephone number is (571) 272-3172.

The examiner can normally be reached on M-F (8-4:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, CHI PHAM can be reached on (571) 272-3179. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

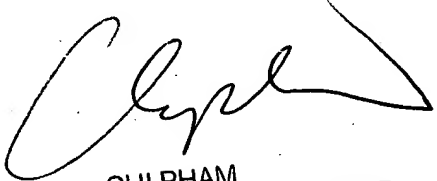
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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Phuc Tran  
Assistant Examiner  
Art Unit 2616

P.t  
2/1/08

  
CHI PHAM  
SUPERVISORY PATENT EXAMINER

2/4/08